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## Appendices

## Appendix A – Data Quality Assessment changes

Field	Changes Made	Screenshots
VIN#	<b>Duplicated Excluded</b>	1X5GW6E34DY631314
	Excluded 3 exact matched rows &	1X5GW2E34DY636196
	Excluded 9 duplicate VIN # rows.	1X5VV4E34DY674335
	Excluded 9 duplicate VIIV # 10ws.	ML9VV4E34DY943846
		1X5VV4E34DY982803
		ML9GW5E34DY476318
		1X5GW6E34DY633172
		ML9GW2E34DY469059
		ML9VV4E34DY894183
		1X5GW6E34DY634730
		1X5GW6E34DY638073
		1X5GW6E34DY638944
Model	Group Values	
	"Huricane replaced by "Hurricane"	"Huricane" replaced by "Hurricane"
Transmission	Group Values	
	"6 SpeedManual" replaced by "6 Speed	"6 SpeedManual" replaced by "6 Speed Manual"
	Manual"	
Country of	Group Values	@ Group Values
Sale	"Phillippines" replaced by "Philippines"	Country of Sale  "Phillippines" replaced by  "Philippines"
	"USA" replaced by "United States"	
	Replace Values	"USA" replaced by "United States"
	United States and United Kingdom Changed	A, Change Role
	to USA and UK respectively.	Country of Sale
	Change Role	To Country/Region
	To Country/Region	
Mfg Origin	Change Role	A Change Role
	To Country/Region	Mfg Origin
		To Country/Region
Gross Sales	Round decimal point to 2.	

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	(Using calculated field created a new column	
	with ROUND function, then deleted previous	
	field)	
Variable	Round decimal point to 2.	
Marketing	(Using calculated field created a new column	
	with ROUND function, then deleted previous	
	field)	
Net Sales	Round decimal point to 2.	
	(Using calculated field created a new column	
	with ROUND function, then deleted previous	
	field)	
Variable Cost	Round decimal point to 2.	
	(Using calculated field created a new column	
	with ROUND function, then deleted previous	
	field)	
Contribution	Round decimal point to 2.	
Margin	(Using calculated field created a new column	
	with ROUND function, then deleted previous	
	field)	
Other Costs	Round decimal point to 2.	
	(Using calculated field created a new column	
	with ROUND function, then deleted previous	
	field)	
Net Revenue	Round decimal point to 2.	
	(Using calculated field created a new column	
	with ROUND function, then deleted previous	
	field)	
Auto/Manual	New calculated field	Galculated Field
	Using TRIM, extracted Auto and Manual for	Transmission - Split 1 TRIM(SPLIT([Transmission], " ", -1)
	comparison.	Rename Field
	Rename Field	Auto/Manual From [Transmission - Split 1] to
	To Auto/Manual	[Auto/Manual]
		_

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Country	Change Role	A, Change Role
	To Country/Region	To Country/Region
	Group Values	Group Values     Country
	"Phillippines" replaced by "Philippines"	"Phillipines" replaced by "Phillippines"
EON + Tariff	Join	② Join [Country of Sale] == [Country]
	Join the tables for data calculation	
Tariff	New calculated field	Calculated Field
	=(Gross Sales)*(Tariff Rate)	Tariff [Gross Sales]*[Tariff Rate]
After-Tax	New calculated field	Calculated Field After-Tax
	=(Net Revenue)-(Tariff)	[Net Revenue]-[Tariff]
Main Issues	New calculated field	Calculated Field Main Issues
	Using TRIM calculated common issues	TRIM(SPLIT([Issues], " ", -1))  Group Values
	suffix.	Main Issues  "Issues" replaced by "Battery Issues"
	E.g Tire Rim Defects and Wipes Blades	
	Defects to Defects	
	Group Values	
	Issues Replaced by "Battery Issues" due to	
	TRIM.	